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11. A device according to claim 1, in which said vaporization chamber is formed in metal.

13. A device according to claim 1, in which a conventional septum or a Merlin valve are able to be alternately mounted on the injector head.

14. A device according to claim 1, characterized in that said vaporization chamber has a restriction in its lower part containing said stop and vaporization means.

16. A device according to claim 1, characterized in that heating means for the vaporization chamber are provided operating at the vaporization temperature of the sample in correspondence to said restriction, and at a lower temperature in the upper part of the chamber.

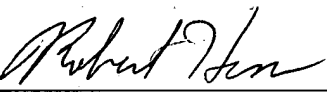
REMARKS

Claim	Status	Dependency
1	Unchanged	Independent
2	Unchanged	1
3	Unchanged	1
4	Amended herein	1
5	Amended herein	1
6	Amended herein	1

Claim	Status	Dependency
7	Amended herein	1
8	Amended herein	1
9	Unchanged	8
10	Amended herein	1
11	Amended herein	1
12	Unchanged	11
13	Amended herein	1
14	Amended herein	1
15	Unchanged	14
16	Amended herein	1
17	Unchanged	Independent
18	Unchanged	17

Claims 4-8, 10-11, 13-14 and 16 have been amended to cancel multiple dependencies.

Respectfully submitted,

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MARKED-UP VERSION OF AMENDED CLAIMS
PURSUANT TO 37 CFR § 1.121(c)(1)(ii)

Amend claims 4-8, 10-11, 13-14 and 16 as follows:

4. A device according claim 1 [to one of the preceding claims], characterized in that the internal channel of said needle has a diameter of less than 0.13 mm.
5. A device according to claim 1, [3 or 4,] in which the upper portion of said vaporization chamber is cooled or unheated.
6. A device according to [one of the claims 1 to 5] claim 1, in which the external wall of said needle is covered by a thermal insulating material.
7. A device according to [one of the claims 1 to 5] claim 1, in which said needle is completely formed in a thermal insulating polymer.
8. A device according to [one of the claims 1 to 7] claim 1, in which the complete length of said vaporization chamber is greater than 10 cm.
10. A device according to [one of the previous claims] claim 1, in which said vaporization chamber is coiled.

11. A device according to [one of the previous claims] claim 1, in which said vaporization chamber is formed in metal.

13. A device according to [one of the preceding claims] claim 1, in which a conventional septum or a Merlin valve are able to be alternately mounted on the injector head.

14. A device according to [one or more of the preceding claims] claim 1, characterized in that said vaporization chamber has a restriction in its lower part containing said stop and vaporization means.

16. A device according to claim [13 or 15] 1, characterized in that heating means for the vaporization chamber are provided operating at the vaporization temperature of the sample in correspondence to said restriction, and at a lower temperature in the upper part of the chamber.

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